

Notice of Allowability

Application No.

10/511,834

Examiner

Scott Bauer

Applicant(s)

HERMANN ET AL.

Art Unit

2836

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 18 MAY 06.
2. ☒ The allowed claim(s) is/are 1,2,4,5 and 7-14.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

Reasons for Allowance

1. Claims 1, 2, 4, 5 & 7-14 are allowed.
2. The following is an examiner's statement of reasons for allowance:
3. Claims 1 & 9 are allowable because the prior art of record does not teach or fairly suggest a circuit arrangement having a mains connection, a mains switch with a first and a second switching contact, a demagnetization coil, and a switch-mode power supply, wherein: the circuit arrangement comprises further a power factor coil for power factor correction, which is arranged between said mains connection and a bridge rectifier, wherein said first switching contact is arranged between said mains connection and said demagnetization coil for switching said demagnetization coil on and off.
4. Claim 1 has overcome the prior art rejection as Applicants have amended claim 1 to further limit the claim wherein the power factor coil is arranged between the mains connection and the bridge rectifier. Applicants statement on pages 8, 9 11 & 12 of the Amendment dated 18 MAY 06 layout the advantages to the configuration. The Claim is further allowable as the prior art discloses that a switch is used to switching a demagnetization coil on, but that a microcontroller independently switches the coil off.

Stirniman (US 4,275,438) discloses an inductive heating inverter comprising a power supply (20), a bridge rectifier (71) a transformer (70) and a power factor coil (24). However, the coil is positioned after the bridge rectifier instead of between it.

Yang (US 5,701,237) discloses a switching power supply with power factor correction. However, the power factor coil (9) is not placed between the bridge rectifier (1,3,5 & 7) and the mains connection of the source (AC).

5. Claims 2, 4, 5, 7 & 8 are allowable as they depend from Claim 1, which is also allowable.

6. Claim 9 is allowable to reasons similar to Claim 1.

7. Claims 10-14 are allowable as they depend from Claim 9, which is also allowable.

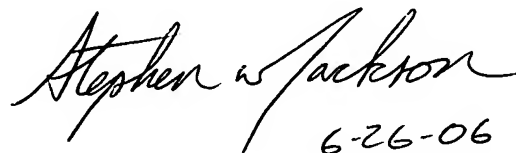
8. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Scott Bauer whose telephone number is 571-272-5986. The examiner can normally be reached on M-F 9am-6pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Sircus can be reached on 571-272-2058. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

SAB
23 JUN 06



6-26-06

STEPHEN W. JACKSON
PRIMARY EXAMINER